

## Waikato District Council Climate Action Plan (Part 2 of 2) - Prioritised Actions Document

This prioritised action document is part 2 of 2 of the overall WDC Climate Action Documentation

The companion document to this prioritised actions document is the Waikato District Council Climate Action Plan - Framework document

This Climate Action document lists numerous actions to improve WDC climate emissions. The actions listed that have been collated from recommendations out of the 2019 WDC emissions stocktake report, from contributions from staff, existing plans and strategies, government influences and other sources.

The actions have been categorised into 6 categories consistent with the details in the companion Climate Action part 1 - Framework document (summarised in the table below). It should be noted that the prioritisations and timeframes are indicative only.

The actions in this action plan have been provided as opportunities for the organisation to consider and effect. Also, it should be noted that numerous actions in this action plan are either underway, a part of BAU work being done, or will be addressed (either in part or in full) as part of LTP initiatives.

Cost has not been provided for the actions - partly because there are many unknowns, but mainly because cost can be determined as actions are investigated.

Below is a summary of the statuses used with associated explanations for each status

Status	Definition & Associated Cell Highlighting Colour Legend
Proposed for LTP	It is known that this action has been proposed as part of the LTP this cycle
Under Investigation	Plausibility of this action is being explored
Improvement Opportunity	This action is an opportunity for improvement but is not currently being explored
In Progress	This action is underway
BAU	This action is a business as usual activity - no further action required other than monitoring
Completed	This action has been put into effect - no further action required other than monitoring

Priority	Rank Order
1	Highest
2	
3	
4	
5	Lowest

Action Categories - as per tabs in this document

Category 1	Knowledge, Understanding and Direction
Category 2	Corporate Capacity and Coordination
Category 3	Corporate Emissions Reduction
Category 4	Community Emissions Reduction
Category 5	Corporate Resilience and Adaptation
Category 6	Community Resilience and Adaptation

Waikato District Council Climate Response and Resilience Actions						
Action Category 1: Knowledge, Understanding and Direction						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
1010	Documentation	Identify the Key Guiding Documents: Waikato District Council: Climate Response and Resilience Policy LGNZ Position Statement on Climate Change LGNZ Stocktake of Emissions Reduction Actions Local Government Leaders Climate Change Declaration MfE National Climate Change risk assessment New Zealand snapshot MfE Climate change projections for NZ Snapshot	1	FY2020/21	Completed	Done
1020	Stocktakes	Corporate Emissions Stocktake Waikato District Stocktake Regional, National & Global Stocktakes	1	FY2020/21	Completed	Done
1030	Report	Business Intelligence dashboard reporting for data and KPIs	2	FY2021/22	Improvement Opportunity	Work on requirements and data collection first, then build dashboards from there
1040	Map WDC Climate Actions to WDC LTP/AMP documentation	The Communication from the Office of the Auditor General to all Councils has made it clear that the 2021-2031 Long Term Plans (LTPs) and supporting documentation will need to provide evidence that the impacts of climate change have been adequately incorporated into the Council's planning, including its financial and infrastructure strategies.	1	FY2021/22	Improvement Opportunity	This action is for the WDC Climate Action team to work with Asset managers and LTP plan contributors to identify all initiatives that relate to Climate Action and/or have impact on the climate and prepare a mapping table that links Climate actions with initiatives in the plan

Waikato District Council Climate Response and Resilience Actions						
Action Category 2:		Corporate Capacity and Coordination				
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
2010	Stocktake	Yearly WDC Corporate Emissions Stocktake	1	FY2020/21	BAU	Completed 2020 - will repeat for 2021
2020	Stocktake	Waikato District Emissions Stocktake in collaboration with Waikato Regional Council undertaken every 2 to 3 years	1	FY2020/21	BAU	Completed 2020 - will repeat in 2022
2030	Council Reports	Climate and emissions lens on all Council reporting templates	1	FY2020/21	In Progress	For the authors to think and discuss climate implications for sharing with Councillors
2040	Waikato DC Internal Reports	Climate and emissions lens on all internal reporting templates	1	FY2020/21	In Progress	For the authors to think and discuss climate implications for sharing with management
2050	Collaboration	Identify Key Partnership opportunities broadly and in relation to more specific action categories	1	FY2020/21	In Progress	Working with WRC, HCC and the Waikato Plan
2060	Target	Set an emissions reduction target for WDC and for the district	1	FY2020/21	In Progress	Specify targets clearly as part of our action plan... align with Government plan of net emissions to zero by 2050 (excl biogenic methane). Reduce biogenic methane to 24-47% below 2017 levels by 2050, including 10% below 2017 levels by 2030.
2070	Waste Minimisation	WMMP Action 12. Develop event waste management guidelines and promote to events in the district, including mandatory utilisation for events at council facilities. This may be undertaken in partnership with other councils (Zero waste events guide)	1	FY 2020/21	In Progress	A Solid Waste level of service has been proposed for the next LTP. This action was marked in WMMP as 2019 - estimated 30 June 2021
2080	Waste Minimisation	WMP Action 1: Review funding model for council services to align with waste minimisation activities (including but not limited to contracting of solid waste services, kerbside refuse, inorganic collection, food waste and drop off collections).	1	FY 2020/21	In Progress	As per ref 4020 opportunity exists for formalising the project resource, plan and progress reporting. Approach change - the current contracts are being refreshed (extended) for the near future (3-5yrs).
2090	Waste Minimisation	WMMP Action 18. Investigate introducing a Grants scheme (funded through the Waste Levy) for waste minimisation projects - this may be in the form of low interest loans and/or targeted grants.	1		In Progress	Estimated 30 June 2021
2100	Waste Minimisation	Implement the 22 activities in the Waste Minimisation Management Plan that were approved in 2018 and reach the 4 targets identified: 10% reduction in per capita rubbish to landfill 20% increase in per capita kerbside diverted material 5% reduction in per capita kerbside rubbish to landfill 20% increase in per capita kerbside diverted material	1		In Progress	
2110	Additonal Staff Resource	New Staff Position of Climate Change Advisor to be created to Co-ordinate, advise, drive and report on Waikato District Councils obligations around the zero carbon bill, Paris Accord, United Nations SDGs	1	FY2021/22	Proposed for LTP	Business case submitted and drafted into the LTP
2120	Procurement	Develop and implement an overall Procurement Strategy that implements sustainability and emissions reduction objectives in all procurement activities	1	FY2020/21	Under Investigation	Potentially start with getting Climate Considerations on appropriate procurement forms like we have done with Zero harm
2130	Identify	Topic Based work streams and ownership across the organisation. Waste and pollution reduction Energy use Land use Kaitiakitanga Protection of the environment and biodiversity Regulatory: Environmental Policy & Bylaw. E.g. compulsory water tanks, renewable energy, sustainable building	1	FY2020/21	Under Investigation	Identify owners after action plan adopted for each workstream - and potentially for sub-workstreams.

Action Category 2:		Corporate Capacity and Coordination					
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments	
2140	Incentivise	Car parking for no/low emission transport/cars Subsidised public transport, car sharing	1	FY 2020/21	Under Investigation	Great idea and easy to effect if we get management consent	
2150	Incentivise	WDC policy to promote electric / hybrid / zero emission vehicles for personal vehicles	1	FY 2020/21	Under Investigation	About our own fleet - ensuring we have appropriate policy for staff and fleet cars WDC pays for	
2160	Engagement	Implement an internal engagement program	1	FY2020/21	Improvement Opportunity	Once we have identified prioritised actions	
2170	Data Quality	Improve data quality to improve emissions data collection	1	FY2020/21	Improvement Opportunity	Work through getting data measurements in place as we perform our 2nd Stocktake	
2180	Website	Build a website and social media presence that shares the journey we are on and acts as a public facing engagement hub	2	FY2021/22	Improvement Opportunity	This initiative to be done in conjunction with our Climate partners - to achieve best alignment. Some Adhoc WDC announcements as appropriate	
2190	Incentivise	initiatives to incentivise green thinking - e.g. e-bike programme, renewable energy, sustainable transport options	5	FY 2023/24	Improvement Opportunity	Some thinking to be done as to what sort of programme could be adopted - low priority	
2200	Incentivise	Install EV recharge posts	3	FY2022/23	Improvement Opportunity	Awaiting Demand and Cost to meet a happy equilibrium	
2210	Education and induction	Improvement opportunity: Waste minimisation corporate induction. A part of standard induction waste minimisation is highlighted and included as part of the building tour (this would aid a broader org culture change in relation to waste production)	1	FY 2020/21	Improvement Opportunity	An introduction e.g. here is the cardboard recycling, worm farm, paper, "please wash out your cans, drink bottles before putting into recycling" etc.	
2220	Waste Minimisation	WMP Action 3. Consider increasing the use of a social procurement approach to the procurement of waste services to achieve the objectives and targets of the WMMP.	1	N/A	Improvement Opportunity		
2230	Waste Minimisation	WMMP Action 7. Procure council services and waste related contracts as required, ensuring new contracts are in alignment with this WMMP and utilising a social procurement approach	1	fy2020/21	Improvement Opportunity		
2240	Waste Minimisation	WMMP Action 10. To support the introduction of a Waste Bylaw and licensing system; develop internal waste data collection and monitoring systems to enable waste data management in alignment with the Waste Data Framework. This may require internal changes to council roles and responsibilities to account for licensing management and enforcement as well as implementation of the activities in this WMMP.	1	fy2020/21	Improvement Opportunity	This was schedule on the WMMP for 2019	

Waikato District Council Climate Response and Resilience Actions						
Action Category 3: Corporate Emissions Reduction						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
3010	Roading / Transport Construction	Pavement recycling (waste minimisation).	1	fy 2020/21	BAU	Industry standard: Roothing recycles approximately 10km/annum of pavement. This is based on best practice and is considered on a project by project basis depending on requirements.
3020	LPG	Predominately this LPG relates to usage at the Raglan Holiday Park. The Park installed an electric hot water heat pump 12 months ago which has reduced its reliance on LPG. Further reductions could be made by setting up a 2nd low carbon hot water plant at the other end of the Park. This will limit LPG use to more remote areas in the park. There is the added benefit of reducing transport emissions of the LPG.	1	FY2021/22	In Progress	Discussions between management and campground to see what can be done to reduce reliance on LPG
3030	LED lighting	LED Lighting replacement in all libraries and offices	1	FY2021/22	In Progress	
3040	Utility Vehicles	Council should ensure fuel efficiency is a focus for new utility vehicles and include low/zero emission models as they come to market.	1	FY2020/21	In Progress	Global Fuel Economy targets will reduce diesel emissions from utilities and light trucks over time. Assume a 25% reduction from general fuel economy gains with new vehicles.
3050	Fleet (on-road) vehicles - hybrid	Councils non-ute fleet is being converted to hybrids over the next 3 years (including this year)	1	FY2022/23	In Progress	By the end of 2022/23 WDC will have 50 toyota RAV4 hybrids. The 11 utes for animal control, parks, monitoring etc have no viable hybrid alternatives currently. but more efficient options are being investigated.
3060	Fleet (on-road) vehicles - electric	Council is investigating (with WLASS): buying electric push bikes / scooters for Council staff for local trips, buying 2 fully EV cars for shorter drives, and getting a EV charging station at the Council offices that staff and visitors can use.	1	FY2023/24	In Progress	Global Fuel Economy targets will reduce petrol emissions from cars over time. Assume a 25% reduction from general fuel economy gains with new vehicles.
3070	Street Lighting	LED Street light conversion (standard LED lighting).	1	FY 2020/21	In Progress	LED Street light conversion has been underway over the last 24 months. There are 400 lights left to convert. NZTA will fund this activity until the end of this year(2020) it is critical to prioritize this activity.
3080	Street Lighting	LED street light conversion (sections: Huntly and Gordonton Highway)	1	FY 2020/21	In Progress	NZTA is handing 2 sections of highway back to Council (Huntly and Gordonton) Council has negotiated that NZTA must convert all existing lights to LED before the transfer is finalised (30 June 2021).
3090	Procurement	Implementing an overall Procurement Strategy that supports sustainability objectives to be considered in all procurement activities. e.g. <ul style="list-style-type: none"> <li>* Buy recycled paper</li> <li>* Bamboo toilet paper not wrapped in plastic</li> <li>* Ensure gifts and promotions are not plastic or wrapped in plastic</li> <li>* Switch to compostable courier bags</li> <li>* recycled envelopes with no plastic window instead of plastic window envelope,</li> <li>* food purchases with consideration to food miles,</li> <li>* packaging etc</li> </ul> Consider the life cycle of all goods, e.g. disposal costs or options at end of life	2	2020/21	In Progress	Staff have been taking the initiative and questioning when products have arrived with excessive packaging and suggesting low waste options

Action Category 3: Corporate Emissions Reduction						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
3100	Biodiversity and public land	Biodiversity protection and improvement Habitat restoration, protection and improvement Retention of exotic trees for carbon sequestration Planting greenfield sites with natives, retiring grazing land for habitat planting Animal and plant pest control, match funding for partnership projects	1		In Progress	WDC manages a program of habitat restoration and improvement throughout the district on public and private lands including working with external funders.
3110	Flexibility and mobility	A flexible working environment will allow remote working thereby saving petrol and removing the need for all staff to be in the office each day.  Hot-desking will also encourage documents to be electronically stored and will reduce paper requirements.  Electricity demand is reduced	1	fy2020/21	In Progress	This is in place and expected to be operational in the first few months of next year.
3120	Waste Minimisation	WMMP Action 11. Undertake Waste Compositional Audit every 3-6 years	1	fy2019/20	In Progress	
3130	Natural Gas	Huntly Aquatic Centre replacement of its natural gas fired boiler when it comes up for renewal in 2028 with an electric hot water heat pump or other low carbon boiler. At least 24 months prior to replacement, a heat meter	3	FY2023/24	Proposed for LTP	Energy efficient replacement being considered in LTP... project has been brought back to 2024 from replacement date of 2028
3140	Energy	Reduce the number of fluorescent light bulbs (remove 1 of the 3)	2	FY2020/21	Under Investigation	Quick win to be made here - with three bulbs in each light fitting and \$100 saving per bulb annually - good savings
3150	Waste Minimisation	WMMP Action 21. Undertake Waste Assessment and develop and adopt 2024 - 2030 WMMP (by June 2024).	3	fy2023/24	Under Investigation	Dec 2021 is planned schedule to start assessing and reviewing
3160	Energy	Passive/eco/sustainable buildings, renewable energy, energy saving devices e.g. install solar panels	3	FY2024/25	Improvement Opportunity	Low Priority. Assume national renewable electricity supply increases from 85% to 95% by 2030. As such PV solar systems will offer little in the way of carbon reductions. May elect to do it anyway as it is a visible positive signal to communities etc?
3170	Roading / Transport Construction	Plant replacement with consideration to emissions efficiency. Council to work with suppliers to replace equipment with plants and equipment that are low emissions	3		Improvement Opportunity	
3180	Roading / Transport Construction	Some behaviours that result in high emissions could be modified with technical solutions. e.g. plants and equipment that are turned on at the start of a job and that are used intermittently over the course of the day but are left to idle on site. Idling vehicles, fitted with cut out switches could act to significantly reduce emissions without relying on human behavioural change	3		Improvement Opportunity	
3190	Roading / Transport Construction	Council to partner with suppliers to look for climate friendly and emission reductions solutions. e.g. fleet and plant replacement, employee behaviour (pool vehicles, vehicle efficiency) and methodology.	2		Improvement Opportunity	
3200	Roading / Transport Construction	Tree removal on roads is often necessary due to health and safety requirements. Council could consider offsetting removal with planting.	4		Improvement Opportunity	

<b>Action Category 3: Corporate Emissions Reduction</b>						
<b>Ref</b>	<b>Subject / Topic</b>	<b>Description</b>	<b>Priority (1-5)</b>	<b>Estimated Start</b>	<b>Status</b>	<b>Comments</b>
3210	Consumption of office supplies	Ration paper Reduce the use of consumables and encourage digital or electronic communication Reduce the number of printers in the office Reduce plastic use in the office, in packaging, around the link newsletter	2	2020/21	Improvement Opportunity	The flexible working program and people working remotely has reduced the amount of paper used and increased digital collaboration
3220	WWTP(s) Biogenic Emissions	Work with Watercare to understand and reduce the biogenic emissions	4	fy2021/22	Improvement Opportunity	In order to further understand the opportunity to reduce biogenic emissions, analysis by WWTP process type is required. Increasing district population will lead to additional biogenic emissions if reduction measures are not undertaken.
3230	Wainui Reserve emission reduction	Develop an emission reduction strategy for Wainui Reserve. Options could include partial replanting into native forest, reducing stock numbers or switching to land use activities with a lower emissions profile / ecological footprint e.g. sheep	2	fy2022/23	Improvement Opportunity	Cattle are run at Wainui Reserve. One steer produces 1.82 TCO <sub>2</sub> e and one sheep produces 0.37 TCO <sub>2</sub> e per year. Build a strategy that is both pragmatic and representative for Waikato district farmers facing similar agricultural emission reduction issues and what is deemed best practice to put in place. Partner with other organisations focused on reducing agricultural emissions
3240	Biodiversity planning framework	Council to prioritise carbon capture, protection of natural features (e.g. wetlands) and ecological enhancement via consenting processes. Retiring grazing land for habitat creation/carbon sequestration. Emphasis through the planning process placed on retaining natural features that can offset/add resilience to climate change such as flood plains, coastal inundation zones and catchments.	1		Improvement Opportunity	There is an opportunity to strengthen the district plan and its application.
3250	Travel	Reduce travel emissions by 25% from 2021 to 2030. e.g. Reduce amount of time spent in vehicles, reduce commuting Choose carbon offset travel (flights) Choose accommodation options that are in the low emissions categories Staff be encouraged to car pool, use public transport or bike Install a secure bike stand under shelter Provide EV charging opportunities	1	FY2020/21	Improvement Opportunity	For the stocktake, travel data was incomplete and may be higher than shown. The experience of Covid -19 may assist in rethinking of air travel to a certain extent and favour the use video conferencing. In any event it is suggested a sinking lid budget of 25% on travel emissions is targeted for 2030. This is shown by the reduction from 23TCO <sub>2</sub> e to 17 TCO <sub>2</sub> e.
3260	Carbon Offset TCO <sub>2</sub> -e	Council could consider planting its own forest or purchasing carbon sinks to offset its carbon emissions.	3		Improvement Opportunity	This is a purely voluntary option. Please note that the cost of future voluntary carbon offsets could be quite variable.
3270	Food	Make more sustainable choices around food e.g: Remove the coke fridge and vending machine Install pig bins or compost bins Encourage meat free meals e.g. meat free Monday, increase vegan options and source food locally Adopt low carbon catering standards e.g. local food or more plant based, low packaging Buy local seasonal foods	2	2020/21	Improvement Opportunity	Opportunity exists here in relation to change hand of cafeteria management to seek contractor with more sustainable mindset.
3280	Waste to Landfill	Apply data to implement waste reduction actions e.g. Ensure recycling is done and is not put in with waste Remove rubbish bins in the office Increase the instances of recycling / waste minimisation	2	2020/21		In Feb 2020 a corporate waste audit was conducted (one week of rubbish separation). The findings and recommendations are in draft format and could be completed within a fortnight. If resourced the recommendations from the audit should be prioritised and put into effect.

<b>Action Category 3: Corporate Emissions Reduction</b>						
<b>Ref</b>	<b>Subject / Topic</b>	<b>Description</b>	<b>Priority (1-5)</b>	<b>Estimated Start</b>	<b>Status</b>	<b>Comments</b>
3290	Waste Minimisation	WMMP Action 22. Investigate alternate treatments to Council wastewater sludge and other Council's waste generating activities.	2	fy2021/22 - 24	Improvement Opportunity	The transfer of services to Watercare means this opportunity has shifted. Councils should still look to engage and encourage innovative ways of managing waste with our partners.



Waikato District Council Climate Response and Resilience Actions						
Action Category 4: Community Emissions Reduction						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
4020	Education and Advice	Formalise and expand a community education program associated with waste minimisation	1	FY2020/21	In Progress	WDC is progressing these initiatives. Opportunity exists for formalising the project resource, plan and progress reporting e.g. Enviroschools In school native species planting programme Waste Minimisation advice e.g. Buy local, buy low impact, buy sustainable Encourage recycling clothing Water Use Advisory
4030	Regulation - District Plan	Regulation including the removal of Barriers Proposed district plan (Stage 2): Natural Hazards and Climate Change, and PDP provisions: * encourage compact growth, non-motorized transport e.g. walking, cycling, public transport etc. With the aim to reduce the number of cars * Conservation covenants and monitoring of covenants * Protection of notable trees and natural assets * Reserve and esplanade acquisition through LUC process * Setbacks from natural features and habitat protection rules * Re-instatement of flood planes  Explore ways to incentivise lower emission/resource light/clean businesses and projects.	1	FY2020/21	In Progress	PDP hearings are underway
4040	Transport	Waikato District Council Trails Strategy 2016 The strategy focuses on recreational usage of trails, but includes commuter usage where applicable. Section 2 discusses "Improving the Environment", "Walking, cycling and horse riding are non-polluting forms of travel that do not use fossil fuels and help to improve the quality of the environment. Motor vehicles contribute to greenhouse gas emissions and poorer air quality. Sustainable and energy efficient modes of transport can help reduce air pollution and reduce traffic congestion and the associated costs." Put into effect Sections 6.1-6.7 of the strategy and or review and update the strategy with consideration to Waikato District Councils - Climate Resilience and Response Policy	1	FY2020/21	In Progress	Partner in with HCC who are actively consulting with the community on multi-use footpath/ cycle way options
4050	Waste Minimisation	WMMP Action 9. Introduce a Solid Waste Bylaw & licensing system for operators and facilities, aligning with the regional template developed by Waikato Regional Council.	1	fy2020/21	In Progress	This was schedule on the WMMP for 2019. Estimated 30 June 2021

Action Category 4: Community Emissions Reduction						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
4060	Funding	Source or provide funding or grants: Enviroschools Xtreme Zero Waste A Mfe funding scheme for waste minisation exists. The next funding round is May 2021. WDC could submit a funding application. Biodiversity, conservation projects (mostly public land) WDC conservation funding programme (private land) Source other environmental grants e.g. WRA, EIF, WCEET, FIF	1	FY2020/21	Under Investigation	Opportunity to formalise the project resource, plan and progress reporting. Funding applications need to be prioritised.
4070	Additonal Staff Resource	Eco-Design Advisor	3	FY2022/23	Improvement Opportunity	Once a Climate Action Co-ordinator / Manager has been employed they can look to stand up the team and make recommendations. We may be able to share the service with HCC or other collaborative partners
4080	Other Policy/Incentives	Zero/reduced Council fees and charges on green star rated buildings Other Policy & Bylaw Work e.g. renewable energy, sustainable building Active encouragement of green business and technology through sustainable economic development	3	fy2022/23	Improvement Opportunity	Priorities for this may change depending on governement target ambitions.
4090	District Plan and Consents	Enforcing the plan specifications and review how we manage discretionary categories and work with a mindset of the broader impact rather than individual pieces of work. Utilize existing documents to support environmental outcomes.  Promote more stringent adherence/enforcement of District Plan rules relating to environmental protections including consideration of the cumulative effects	1	fy2021/22	Improvement Opportunity	Promote the understanding that discretionary minor activities may have a major negative cumulative impact overall

Waikato District Council Climate Response and Resilience Actions						
Action Category 5: Corporate Resilience and Adaptation						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
5010	Roading Resilience	Regional Council consents include Climate effects in sign-off over roading project works	1	fy2020/21	BAU	Roading project works that are subject to Regional Council consents require Regional Council sign-off prior to execution.
5020	Asset Management Planning and Infrastructure Strategy	Incorporating climate change into Asset Management Planning, considering protection, retreat, design, capacity (e.g. stormwater pipe size), retiring grazing land for habitat, planting	1	fy2020/21	In Progress	AMPs include a sustainability chapter.
5030	Roading Resilience	Design roads for the control of water e.g. bridges, culverts, with consideration to climate change assumptions (+15% water capacity).	1	fy2020/21	In Progress	Designing roads is a substantial financial investment with design being phased in over the past 3-4 years. The purpose of the design modification is mitigation of potential increased volume ensuring the network is not adversely effected. Approximately 3-4 years ago a Geotech report was commissioned to explore network susceptibility to rainfall events. This report has been used to inform ongoing planning however it now requires review. Review is expected to take place during the current financial year.
5040	Hazards	Conduct hazard identification workshops as part of proposed district plan Regional hazards forum (CDEM)	1	fy2020/21	In Progress	Hazard identification is complete. We now need to work on the regional hazards forum
5050	Partnerships	Partner with other organisations to boost Corporate resilience and adaptation. E.g. Waikato Regional Council, NIWA, WLASS, Waikato Plan, HCC, Waipa, Tainui etc	1	fy2020/21	In Progress	This is a key area to work on aligning and collaborating with other organisations. Respecting we don't need to lead but to participate in an orchestrated / useful way
5060	Insurance	Ensuring insurance is taking into account the implications of climate change	1	fy2020/21	Under Investigation	Finance and Management to understand risk/costs involved
5070	Roading Resilience	Review the Rooding budget for response to climate events. Currently Rooding has a budget of \$800k/annum to respond to climate events. Response includes general improvements and maintenance. This budget could be considered a risk as there has been no forecast increase in the funding for the next 10 year period. The amount may not be sufficient to cover predicted climate changes.	1		Improvement Opportunity	

Waikato District Council Climate Response and Resilience Actions						
Action Category 6: Community Resilience and Adaptation						
Ref	Subject / Topic	Description	Priority (1-5)	Estimated Start	Status	Comments
6010	Education and Advice	Identify vulnerable communities Develop and implement community adaptation and resilience plans	1	fy2020/21	In Progress	Have started with Port Waikato
6020	Strategy	Conservation Strategy Review	1	fy2020/21	In Progress	Scoping underway with HCC. Having well functioning ecosystems helps communities to build resilience e.g. wetlands provide natural flood protection
6030	Regulation	Proposed District Plan (Stage 2): Natural Hazards and Climate Change	1	fy2020/21	In Progress	The PDP identifies hazard areas for little or no development
6040	Waste Minimisation	WMMP Action 8. Progress Resource Recovery facilities in Huntly and to consider the development of resource recovery facilities for the Northern part of the district. This will be encouraged through collaboration and partnerships before 2024.	1	fy2021/22	In Progress	
6050	Waste Minimisation	WMMP Action 4. Evaluate Raglan food waste service and assess suitability for expansion. Expand if suitable.	3	fy2021/22	Under Investigation	Discussion re auditing food waste is happening during December.
6060	Regulation	Other Policy and Bylaw work to encourage resilience e.g. water tanks, renewable energy, sustainable building, passive housing, waste minimisation	3	fy2021/22	Improvement Opportunity	This may be bought forward depending on central government targets and / or weather events
6070	Waste Minimisation	WMMP Action 13. Provide quality behaviour change programs focused on waste minimisation and that support the goals and objectives of the WMMP	2		Improvement Opportunity	
6080	Waste Minimisation	WMMP Action 15. Work closely with Tangata Whenua, community groups and private sector to enhance economic development through resource recovery	1		Improvement Opportunity	
6090	Waste Minimisation	WMMP Action 16. Work with business, farms, and industry organisations assisting to reduce waste, increase diversion and recycling (potentially as a sub-regional project).	1	fy2021/22 - 23	Improvement Opportunity	
6100	Waste Minimisation	WMMP Action 17. Identify and support community and business champions in waste reduction and avoidance; including but not limited to initiatives focusing on e-waste and/or construction and demolition waste.	2		Improvement Opportunity	